

ABSTRACT OF THE DISCLOSURE

A fuel cell system comprises at least one unit of fuel cells and auxiliary soluble metal anode batteries for producing hydrogen gas by dissolution of a soluble metal in an electrolyte. The fuel cell system may comprises at least one unit of fuel cells; an electrolysis system operated under a high pressure to generate hydrogen gas and oxygen gas and adapted to supply these gases to said fuel cells, and an auxiliary power source for supplying an electric power to said electrolysis system.

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